

## METHOD FOR DYNAMIC RECOMPILATION OF A PROGRAM

### **ABSTRACT OF THE DISCLOSURE**

In a method for dynamic recompilation of a program, binary code for a program is identified, a portion of the binary code is obtained, and the obtained portion of the binary code is executed while being optimized for, e.g., use with a new hardware architecture. During execution, dynamic changes in flow are identified to enable additional portions of the binary code to be obtained and executed. The executed and optimized portion of the binary code and any additional portions of the binary code are saved to an optimized binary code file for the program. The obtaining and executing of portions of the binary code is continued until all portions of the binary code have been saved to the optimized binary code file for the program. Thereafter, when the program is called, the optimized binary code file for the program can be executed.